

```
=> s pglu glu pro
      48 PGLU
      3506 GLU
      10424 PRO
L10      0 PGLU GLU PRO
          (PGLU(W) GLU(W) PRO)
```

```
=> s eep
L11      11 EEP
```

```
=> s l11/clm
'CLM' IS NOT A VALID FIELD CODE
L12      0 (EEP/CLM)
```

```
=> s glu(P)pro
      3506 GLU
      10424 PRO
L13      2009 GLU(P) PRO
```

```
=> s l13/clm
'CLM' IS NOT A VALID FIELD CODE
      0 GLU/CLM
      0 PRO/CLM
L14      0 (GLU/CLM(P) PRO/CLM)
```

```
=> d his
```

(FILE 'HOME' ENTERED AT 10:31:47 ON 15 MAR 2002)

FILE 'CAPLUS' ENTERED AT 10:32:13 ON 15 MAR 2002

```
L1      FILE 'CAPLUS, MEDLINE' ENTERED AT 10:32:22 ON 15 MAR 2002
      0 S (PGLU GLU PRO OR PYROGLU) (P) (ISCHEMIA)
```

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 10:33:41 ON 15 MAR 2002

SEA TRH(P) (ISCHEMI?)

```
-----
1*  FILE ADISNEWS
0*  FILE BIOCOMMERCE
43  FILE BIOSIS
0*  FILE BIOTECHABS
0*  FILE BIOTECHDS
2*  FILE BIOTECHNO
1   FILE CANCERLIT
41  FILE CAPLUS
0*  FILE CEABA-VTB
0*  FILE CIN
28  FILE DDFU
40  FILE DRUGU
1   FILE DRUGUPDATES
37  FILE EMBASE
9*  FILE ESBIODBASE
0*  FILE FOMAD
0*  FILE FOREGE
0*  FILE FROSTI
0*  FILE FSTA
SEA TRH(P) (ISCHEMI?) (P) (FOCAL)
-----
```

0* FILE ADISNEWS
 0* FILE BIOCOMMERCE
 5 FILE BIOSIS
 0* FILE BIOTECHABS
 0* FILE BIOTECHDS
 0* FILE BIOTECHNO
 1 FILE CANCERLIT
 6 FILE CAPLUS
 0* FILE CEABA-VTB
 0* FILE CIN
 2 FILE DDFU
 2 FILE DRUGU
 1 FILE DRUGUPDATES
 4 FILE EMBASE
 3* FILE ESBIODBASE
 0* FILE FOMAD
 0* FILE FOREGE
 0* FILE FROSTI
 0* FILE FSTA
 1 FILE JICST-EPLUS
 0* FILE KOSMET
 1 FILE LIFESCI
 0* FILE MEDICONF
 3 FILE MEDLINE
 0* FILE NTIS
 4* FILE PASCAL
 4 FILE SCISEARCH
 3 FILE TOXLIT
 2 FILE USPATFULL
 L2 QUE TRH(P) (ISCHEMI?) (P) (FOCAL)

L3 FILE 'USPATFULL' ENTERED AT 10:35:42 ON 15 MAR 2002
 2 S L2

FILE 'MEDLINE, CAPLUS, TOXLIT, SCISEARCH, EMBASE' ENTERED AT 10:36:19 ON
 15 MAR 2002

L4 20 S TRH(P) (ISCHEMI?) (P) (FOCAL)
 L5 9 DUP REM L4 (11 DUPLICATES REMOVED)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
 BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
 CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
 DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 10:41:28 ON
 15 MAR 2002

SEA (PGLU GLU PRO OR EEP) (P) (ISCHEM?)

0* FILE ADISNEWS
 0* FILE BIOCOMMERCE
 1 FILE BIOSIS
 0* FILE BIOTECHABS
 0* FILE BIOTECHDS
 0* FILE BIOTECHNO
 0* FILE CEABA-VTB
 0* FILE CIN
 1 FILE DRUGU
 0* FILE ESBIODBASE
 0* FILE FOMAD
 0* FILE FOREGE
 0* FILE FROSTI
 0* FILE FSTA
 1 FILE JICST-EPLUS

0* FILE KOSMET
0* FILE MEDICONF
1 FILE MEDLINE
0* FILE NTIS
0* FILE PASCAL
1 FILE SCISEARCH
1 FILE WPIDS
1 FILE WPINDEX
L6 QUE (PGLU GLU PRO OR EEP) (P) (ISCHEM?)

FILE 'SCISEARCH, WPIDS, DRUGU, MEDLINE' ENTERED AT 10:42:51 ON 15 MAR 2002

L7 4 S L6
L8 3 DUP REM L7 (1 DUPLICATE REMOVED)
L9 1 S TSH(P) (FOCAL) (P) ISCHEM?

FILE 'REGISTRY' ENTERED AT 10:53:07 ON 15 MAR 2002

L10 0 S PGLU GLU PRO
L11 11 S EEP
L12 0 S L11/CLM
L13 2009 S GLU(P) PRO
L14 0 S L13/CLM

L19 ANSWER 6 OF 9 TOXLIT

DUPLICATE 4

AN 1998:146804 TOXLIT

DN CA-130-010826R

TI The thyrotropin-releasing hormone-like peptides pGlu-Phe-Pro amide and pGlu-Glu-Pro amide increase plasma triiodothyronine levels in the mouse; the activity is sensitive to testosterone.

AU Cremades A; Penafiel R; Rausell V; Del Rio-Garcia J; Smyth DG

CS Department of Physiology and Pharmacology, University of Murcia, Murcia

SO Eur. J. Pharmacol., (1998). Vol. 358, No. 1, pp. 63-67.

CODEN: EJPHAZ. ISSN. 0014-2999.

CY SPAIN

DT Journal; Journal Article

FS CA

LA English

OS CA 130:10826

EM 199901

AB Three naturally occurring peptides, **pGlu-Glu-Pro** amide, pGlu-Phe-Pro amide and pGlu-Gln-Pro amide, with similar structures to TSH releasing hormone (TRH) have recently been identified but no studies of their in vivo activities have been reported previously. We describe here the ability of pGlu-Phe-Pro amide and **pGlu-Glu-Pro** amide to influence thyroid status. The s.c. **administration** of these 'TRH-like' peptides in male and female CD1 mice led to increased levels of triiodothyronine (T3) and to a lesser extent T4 in the circulation. TRH, pGlu-Phe-Pro amide, and **pGlu-Glu-Pro** amide produced significantly greater effects in the female than in the male. The pGlu-Phe-Pro amide was more potent than **pGlu-Glu-Pro** amide; it exhibited a similar potency to pGlu-His-Pro amide (TRH). Castration of male mice led to increased activities, with potencies comparable to those seen in the female; in contrast treatment of female mice with testosterone resulted in reduced activities, similar to those obsd. in the control male. The effects of potassium deprivation on the activities of the TRH-like peptides were also investigated. This diet, which results in decreased testosterone levels in the male, led to increased activities of the TRH-like peptides and TRH, approaching the potencies obsd. in the female. The results demonstrate that the TRH-like peptides pGlu-Phe-Pro amide and **pGlu-Glu-Pro** amide which occur naturally in the thyroid gland exhibit biol. activity in influencing thyroid status in

L19 ANSWER 7 OF 9 TOXLIT

DUPLICATE 5

AN 1997:8526 TOXLIT

DN CA-126-001425Z

TI Evidence of thyrotropin-releasing hormone (TRH) gene expression in rat anterior pituitaries and modulation by estrogens of TRH-like immunoreactivity and TRH-elongated peptide contents.

AU Croissandeau G; Schussler N; Grouselle D; Pagesy P; Rauch C; Bayet MC; Peillon F; Le Dafniet M

CS Faculte Medecine, Unite INSERM 223, Paris

SO J. Endocrinol, (1996). Vol. 151, No. 1, pp. 87-96.

CODEN: JOENA. ISSN. 0022-0795.

CY France

DT Journal; Article; (JOURNAL ARTICLE)

FS CA

LA English

OS CA 126:1425

EM 199701

AB TRH gene expression in the anterior pituitary has previously been reported in the human in vivo and in the rat in vitro. Until now, modulation of this synthesis with glucocorticoids and thyroid hormones has been obsd. in rats. The present study demonstrates for the first time that the TRH gene is also expressed, in vivo, in the rat anterior pituitary and that anterior pituitary TRH-like immunoreactivity (TRH-LI) and elongated forms of the immediate TRH progenitor sequence (TRH-elongated peptide) contents are also modulated by estrogens (E2). To investigate the presence of pro-TRH mRNA in the rat anterior pituitary, total RNA was reverse transcribed (RT) and the RT products were then amplified by PCR. Treatments with E2 were performed on intact and ovariectomized (OVX) rats for 2 mo. TRH-LI was measured by RIA with an antibody which did not recognize the TRH-like peptide, **pGlu-Glu-Pro**-NH₂ (cross-reactivity <0.1%) and was characterized further as TRH-LI by HPLC. TRH-elongated peptides were measured by EIA and characterized by Sephadex G-50 chromatog. and immunoblotting (mol. mass 25-35 kDa). The plasma prolactin levels and the pituitary sizes were increased by E2 treatment in both intact and OVX rats. Anterior pituitary TRH-LI increased in intact E2-treated rats compared with intact rats (82.7 vs. 39.6 fmol/mg protein). This increase was greater when E2 was **administered** to OVX rats (599.0 after E2 treatment vs. 58.6 fmol/mg protein). In intact rats, anterior pituitary TRH-elongated peptides contents were not modified by E2 treatment while they were significantly decreased in OVX E2-treated rats (144.6 vs. 223.7 fmol/mg protein). These results demonstrate TRH gene expression in the rat anterior pituitary in vivo and suggest that E2 treatment is responsible for an increase in anterior pituitary TRH-LI, together with a decrease in TRH-elongated peptide contents.

L19 ANSWER 8 OF 9 TOXLIT

DUPLICATE 6

AN 1995:62865 TOXLIT

DN CA-122-256665N

TI Regulation of the TRH-like peptide pyro-glutamyl-glutamyl-proline-amide in the rat anterior pituitary gland.

AU Rondeel JM M; Klootwijk W; Linkels E; van Haasteren GA C; de Greef WJ; Visser TJ

CS Dep. Endocrinology Reproduction, Erasmus Univ. Medical Sch., Rotterdam

SO J. Endocrinol, (1995). Vol. 145, No. 1, pp. 43-9.

CODEN: JOENA. ISSN. 0022-0795.

CY Netherlands

DT Journal; Article; (JOURNAL ARTICLE)

FS CA

LA English

OS CA 122:256665

EM 199509